REMARKS

Reconsideration of the above-referenced application is respectively requested in view of the above amendments and these remarks. Claims 1-20 are currently pending. Claims 21-25 are cancelled.

In the Office Action, claims 10-20 were allowed. Applicants note with appreciation that the subject matter of these claims has been allowed.

According to the Office Action, claims 1-9 and 21-25 are rejected under 35 U.S.C. § 101 because the claimed invention is directed to non-statutory subject matter and, in particular, to a method of performing complex multiplication via a mathematical algorithm. Applicants have amended independent claim 1 and cancelled claims 21-25 to obviate the rejection. The present invention is directed to a method of performing a complex multiplication. The method includes the steps of: (a) receiving a complex multiplicand having a real value and an imaginary value; (b) generating a negation of the real value of the complex multiplicand; (c) generating a negation of the imaginary value of the complex multiplicand; (d) receiving a complex multiplier, and (e) selecting a phasor constant having a value wherein a complex product of the complex multiplicand times the complex multiplier times the phasor constant has a real value equal to one of the real value of the complex multiplicand, the imaginary value of the complex multiplicand, the negation of the real value of the complex multiplicand, and the negation of the imaginary value of the complex multiplicand. As seen in the amendment to independent claim 1, the complex multiplication using these steps is used in one of scrambling and descrambling spread spectrum communications signals. No new matter is added with this amendment. Adequate disclosure can be found on, for example, page 2, line 28 to page 3, line 5 and page 6, line 25 to page 7, line 9. In a preferred embodiment of the present invention the spread spectrum communications signals can be code division multiple access (CDMA) signals or wideband CDMA (W-CDMA) signals.

This amendment to claim directs the complex product or multiplication result of the claimed steps to a practical application, i.e. the scrambling or descrambling of spread spectrum communications signals. This result is therefore useful, concrete and tangible. Applicants respectfully submit that the claim 1 now claims statutory subject matter under

35 U.S.C. § 101. As claims 2-8 depend upon and include the limitations of independent claim 1, Applicants respectfully submit that these claims also cover statutory subject matter. In view of the foregoing, Applicants request that the rejection under Section 101 be withdrawn.

As the Applicants have overcome all substantive rejections and objections given by the Examiner and have complied with all requests properly presented by the Examiner, the Applicants contend that this Amendment, with the above discussion, overcomes the Examiner's objections to and rejections of the pending claims. Therefore, the Applicants respectfully solicit allowance of the application. If the Examiner is of the opinion that any issues regarding the status of the claims remain after this response, the Examiner is invited to contact the undersigned representative to expedite resolution of the matter.

Please charge any fees associated herewith, including extension of time fees, to **50-2117**.

Respectfully submitted,
Agami, Gregory, et al.

SEND CORRESPONDENCE TO:

By: /Simon B. Anolick/

Motorola, Inc.
Law Department

Customer Number: **22917**

Simon B. Anolick
Attorney for Applicant
Registration No.: 37,585
Telephone: 847-576-4234
Fax: 847-576-3750